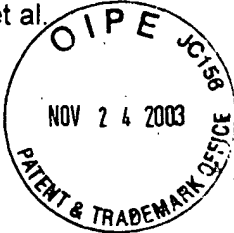


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Barnes et al.	Group Art Unit: Unknown
Application No: 10/646,943	Examiner: Unknown
Confirmation No: Unknown	Attorney Docket No: 006726 USA/ETCH/CONE/JB
Filed: 08/21/2003	November 21, 2003 San Francisco, California
	
Title: MONITORING DIMENSIONS OF FEATURES AT DIFFERENT LOCATIONS IN THE PROCESSING OF SUBSTRATES	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Non Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Attached hereto is a PTO-1449 form listing documents believed relevant to the subject application. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of the form be returned to the undersigned.

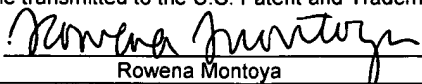
Applicant believes this Information Disclosure Statement should be considered by the Office because it is being filed before the mailing of a first Office Action on the merits.

It is believed that no fee is due for the filing of this Information Disclosure Statement. However, if any fee is due, the Commissioner is hereby authorized to charge payment of any such fees to Deposit Account No. 10-0258.

Also, if any Petition is required for the filing of this Information Disclosure Statement, such Petition is requested herein.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Non Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office at (703) \_\_\_\_\_ on the date shown below.

By:

  
Rowena Montoya

Date:

11/21/2003

It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §707.05(b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

It should be noted that the word "prior" has been deleted from the attached PTO-1449 form(s).

Except for US patents and published US patent applications, a copy of each document is enclosed.

Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

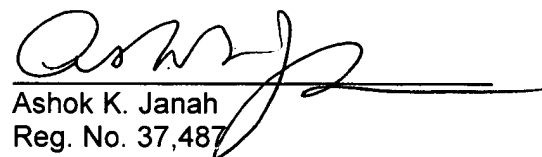
With regard to any translations which may be provided herewith, the undersigned does not know how the translations were made, or by whom the translations were made. Therefore, no representation is being made as to the accuracy of any translation.

These documents are not necessarily analogous.

Respectfully submitted,  
JANAH & ASSOCIATES, P.C.

Date: 11/20/2003

By:

  
Ashok K. Janah  
Reg. No. 37,487

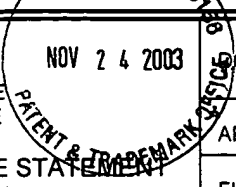
Please direct all telephone calls to:

Ashok K. Janah  
(415) 538-1555

Please continue to send all correspondence to:

Applied Materials, Inc.  
Patent Department, M/S 2061  
P.O. Box 450A  
Santa Clara, CA 95052

Encl.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				DOCKET NO: 006726 USA/ETCH/CONE/JB		APPLICATION NO.: 10/646,943							
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION				APPLICANT: Barnes et al.		FILING DATE: 8/21/2003							
GROUP ART UNIT: Unknown													
<b>U.S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	4	6	1	1	9	1	9	09/16/1986	Brooks, Jr. et al.				
	4	8	4	2	6	8	3	06/27/1989	Cheng et al.				
	4	8	6	7	8	4	1	09/19/1989	Loewenstein et al.				
	4	9	2	4	8	0	7	05/15/1990	Nakayama et al.				
	4	9	3	1	1	3	5	06/05/1990	Horiuchi et al.				
	4	9	3	5	6	6	1	06/19/1990	Heinecke et al.				
	4	9	5	3	9	8	2	09/04/1990	Ebbing et al.				
	4	9	6	0	4	8	8	10/02/1990	Law et al.				
	4	9	8	0	2	0	4	12/25/1990	Fuji et al.				
	5	0	7	0	8	1	4	12/10/1991	Whiffin et al.				
<b>FOREIGN PATENT DOCUMENTS</b>													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO
	3	2	8	1	7	8	0	12/12/1991	Japan			Abstract	
	6	1	3	2	2	2	3	05/13/1994	Japan			Abstract	
	5	0	4	7	7	0	7	02/26/1993	Japan			Abstract	
	6	1	2	4	1	9	30	10/28/1986	Japan			Abstract	
	3	2	8	1	7	8	0	12/12/1991	Japan			Abstract	
	1	2	4	8	5	2	0	10/04/1989	Japan			Abstract	
	1	8	9	9	2	8		09/27/1985	Japan			Abstract	
	6	1	2	4	9	0	9	05/06/1994	Japan			Abstract	
	0	8	1	0	6	3	0	12/03/1997	EP			X	
	0	7	2	1	2	1		04/02/1987	Japan			X	
	9	6	1	9	8	2	5	06/27/1996	PCT			x	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>													
	Zhang et al., "Automated Process Control of Within-Wafer and Wafer-to-Wafer Uniformity in Oxide CMP", CMP-MIC, March 2002												
	NANOMETRICS Applications Note, "Optical Measurement of Critical Dimensions", August 2001												
EXAMINER										DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET NO: 006726 USA/ETCH/CONE/JB		APPLICATION NO.: 10/646,943	
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION		APPLICANT: Barnes et al.  FILING DATE: 8/21/2003		GROUP ART UNIT: Unknown	

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	5	0	8	4	1	2	6	01/28/1992	McKee			
	5	2	4	4	5	0	1	09/14/1993	Nakayama et al.			
	5	2	5	2	1	7	8	10/12/1993	Moslehi			
	5	2	6	9	8	4	7	12/14/1993	Anderson et al.			
	5	3	7	2	6	7	3	12/13/1994	Stager et al.			
	5	3	8	9	1	9	7	02/14/1995	Ishimaru			
	5	4	0	5	4	8	8	04/11/1995	Dimitrelis et al.			
	5	4	2	7	8	7	8	06/27/1995	Corliss			
	5	4	5	3	1	2	4	09/26/1995	Moslehi et al.			
	5	5	2	2	9	3	4	06/04/1996	Suzuki et al.			

FOREIGN PATENT DOCUMENTS													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	YES	NO											
	0	7	0	2	3	9	2	03/20/1996	EP			X	
	9	9	5	7	7	4	7	11/11/1999	PCT			X	
	0	4	1	0	4	4	2	07/26/1990	EP			X	
	9	8	0	0	5	7	6	01/08/1998	PCT			X	

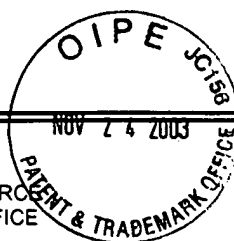
  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

DOCKET NO: 006726 USA/ETCH/CONE/JB

APPLICATION NO.:  
10/646,943INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

APPLICANT: Barnes et al.

FILING DATE: 8/21/2003

GROUP ART UNIT:  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	5	5	3	2	1	9	0	07/02/1996	Goodyear et al.			
	5	5	5	6	5	2	1	09/17/1996	Ghanbari			
	5	5	8	9	0	0	2	12/31/1996	Su			
	5	5	9	2	3	5	8	01/07/1997	Shamouilian et al.			
	5	6	1	4	0	2	6	03/25/1997	Williams			
	5	6	2	4	4	9	8	04/29/1997	Lee et al.			
	5	6	5	3	8	0	8	08/05/1997	MacLeish et al.			
	5	6	8	3	5	1	7	11/04/1997	Shan			
	5	6	8	3	5	4	8	11/04/1997	Hartig et al.			
	5	7	2	0	8	1	8	02/24/1998	Donde et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

NOV 24 2003

DOCKET NO: 006726 USA/ETCH/CONE/JB

APPLICATION NO.:  
10/646,943INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

APPLICANT: Barnes et al.

FILING DATE: 8/21/2003

GROUP ART UNIT:  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	5	7	6	7	6	2	8	06/16/1998	Keller et al.			
	5	7	7	2	7	7	1	06/30/1998	Li et al.			
	5	8	1	4	1	5	3	09/29/1998	Ishikawa			
	5	8	1	9	4	3	4	10/13/1998	Herchen et al.			
	5	8	8	2	4	1	7	03/16/1999	Van de Ven et al.			
	5	9	1	0	0	1	1	06/08/1999	Cruse			
	5	9	1	3	1	0	2	06/15/1999	Yang			
	5	9	6	3	3	2	9	10/05/1999	Conrad et al.			
	5	9	7	6	3	0	8	11/02/1999	Fairbairn et al.			
	5	9	8	0	6	8	6	11/09/1999	Goto			

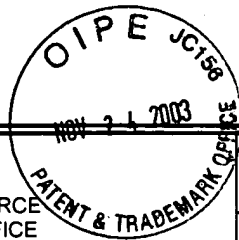
## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

DOCKET NO: 006726 USA/ETCH/CONE/JB

APPLICATION NO.:  
10/646,943INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

APPLICANT: Barnes et al.

FILING DATE: 8/21/2003

GROUP ART UNIT:  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	5	9	9	7	9	5	0	12/07/1999	Telford et al.			
	6	0	0	1	2	6	7	12/14/1999	Os et al.			
	6	0	9	0	2	1	0	07/18/2000	Ballance et al.			
	6	0	1	2	4	7	8	01/11/2000	Park			
	6	1	0	8	1	8	9	08/22/2000	Weldon et al.			
	6	1	1	3	9	8	4	09/05/2000	MacLeish et al.			
	6	1	5	0	6	6	4	11/21/2000	Su			
	6	1	7	0	4	2	8	01/09/2001	Redeker et al.			
	6	1	7	9	9	2	4	01/30/2001	Zhao et al.			
	6	1	8	5	8	3	9	02/13/2001	Kholodenko et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>FORM PTO-1449</b> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION</b>		DOCKET NO: 006726 USA/ETCH/CONE/JB				APPLICATION NO.: 10/646,943							
		APPLICANT: Barnes et al.											
		FILING DATE: 8/21/2003				GROUP ART UNIT: Unknown							
<b>U.S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	6	3	0	3	5	0	7	10/16/2001	Wang et al.				
	6	3	3	3	2	7	2	12/25/2001	McMillan et al.				
	6	3	5	0	3	9	0	02/26/2002	Liu et al.				
	6	3	8	8	2	5	3	05/14/2002	Su				
	6	4	0	3	4	9	1	06/11/2002	Liu et al.				
	0	1	8	8	4	1	7	12/12/2002	Levy et al.				
	0	0	1	1	7	8	6	01/16/2003	Levy et al.				
<b>FOREIGN PATENT DOCUMENTS</b>													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
												YES	NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>													
EXAMINER										DATE CONSIDERED			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													